US ERA ARCHIVE DOCUMENT



### **2013 Duke Farms**

Past and Present



**History of Duke Farms** 



#### **Entrepreneur & Founder of**

**American Tobacco Co.(1890)** 

Duke's Farm Inc. (1893)

Duke Energy Corp. (1904)



**Trinity College** (1895)

**Duke Endowment** (1924)

**Duke University** (1924)

Minority Colleges in NC, SC

**Father of Doris Duke** 

James (Buck) Buchanan Duke (1856-1925)





**Philanthropist& Art Collector** 

**Environmentalist & Preservation** 

Innovator & Forward thinker

Founder of the Newport Restoration Foundation (1968)

Founder of the Doris Duke Foundation for Islamic Art (1996)

Founder of the Duke Gardens Foundation (opened to public in 1964)

Gave away about \$300 million (often anonymously) during her lifetime

Left \$1.2 Billion to charity upon her death

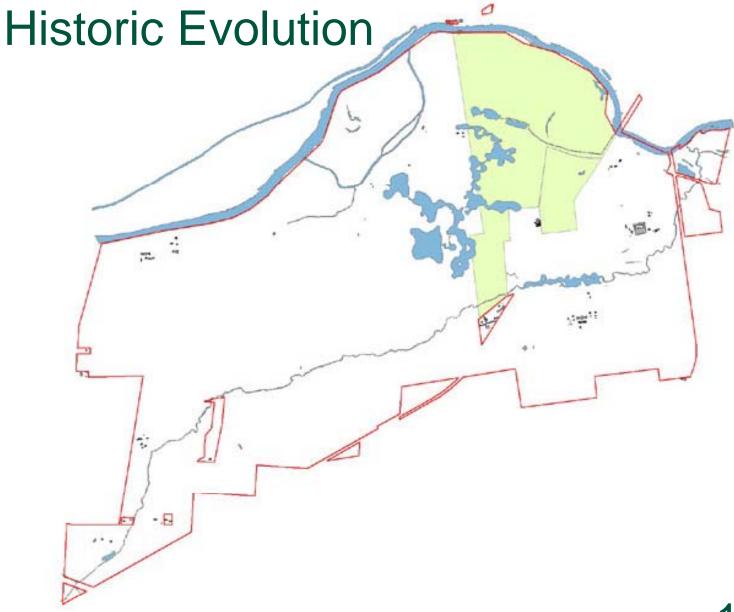
Benefactress of the Doris Duke Charitable Foundation and related entities(1996)

**Doris Duke** (1912-1993)

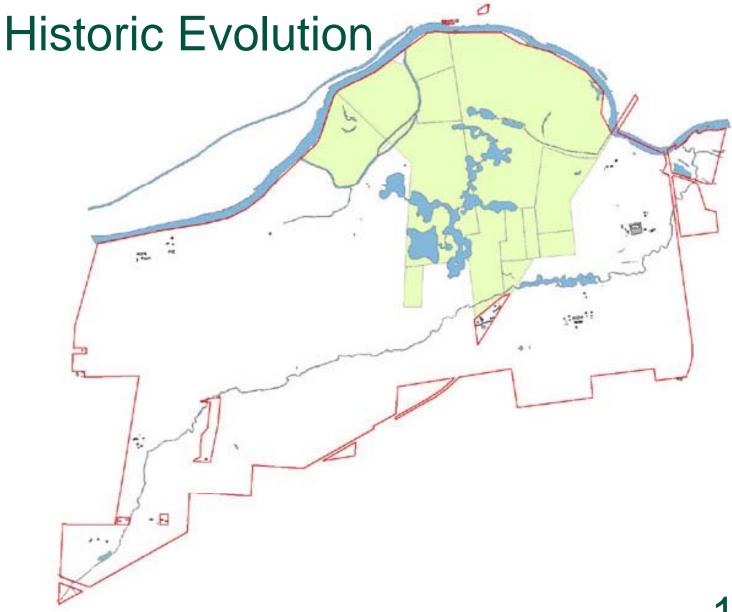


- One of the largest privately owned, unpreserved open spaces in NJ under - 2740 acres
- Larger than 8 of 21 Somerset County towns
- Confluence of 4 municipalities
- Duke Family/Foundation Ownership for 119 years
- Three miles of shoreline along the Raritan River and one of the nation's premier examples of a "lagoon landscape" with nine lakes
- 35 fountains, 7 remaining
- Unique Features:
  - Various Habitats
  - Roads & Trails
  - Jacobean Architecture
  - Cultural Landscapes

# Significance of Duke Farms

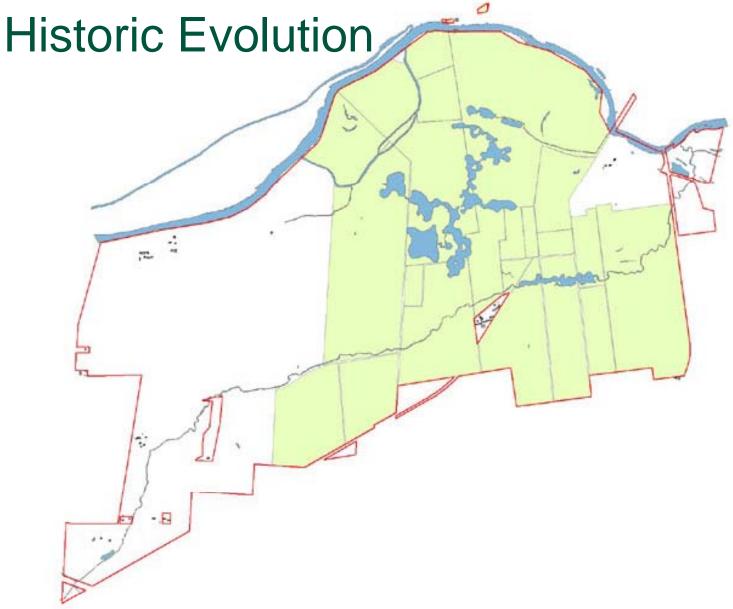




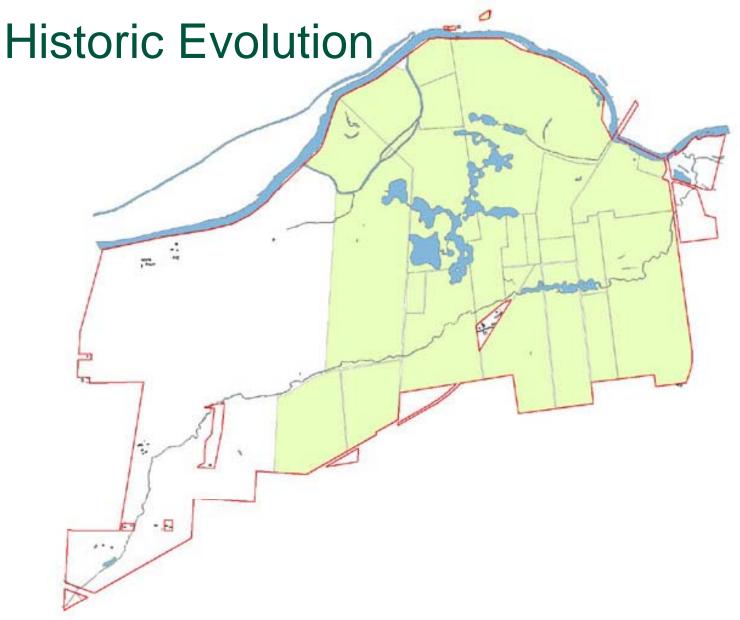




1898

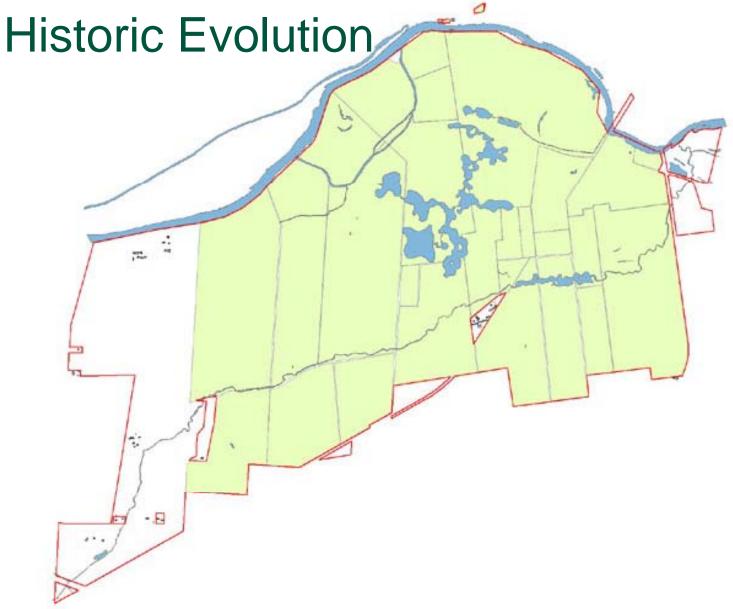








1911

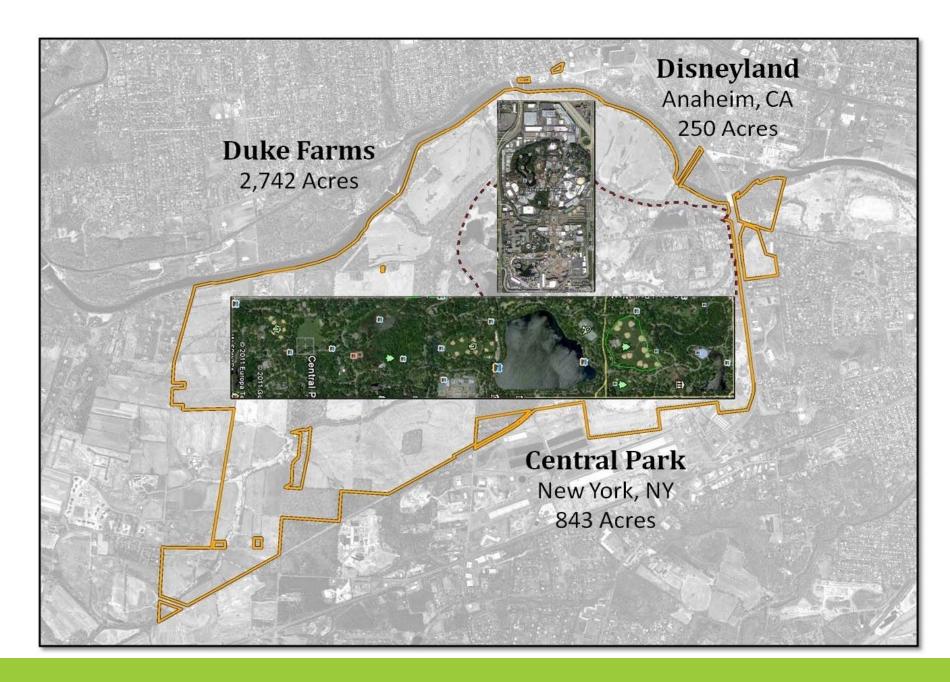








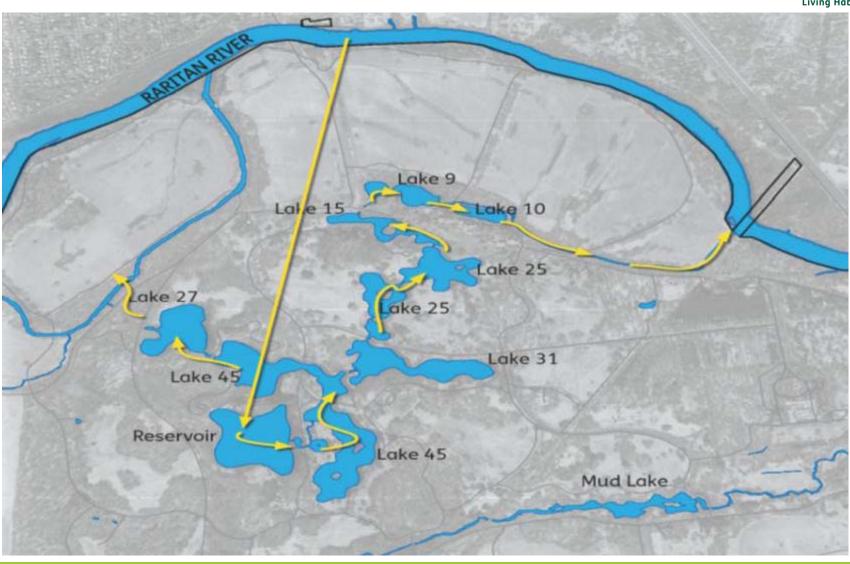
1969



**Site Plan of Duke Farms** 

# **Duke Farms Lake System**







- *Green Practices:* Showcase of replicable best practices habitat restoration, sustainable agriculture
- Renewable Energy: Power from geothermal and solar
- Adaptable Re-use of Buildings: LEED certification pending
- Regeneration of Landscapes: Aquatic, grasslands, wetlands & woodlands using native species
- Organic Agriculture: Community Garden plots, incubator farm, farm market
- Ecological Research: Alliances with universities, colleges, NJ Audubon
- Conservation Programs: NRCS Wetland Reserve Program, Emergency Watershed Protection Program

### **Commitment to a Greener Future**

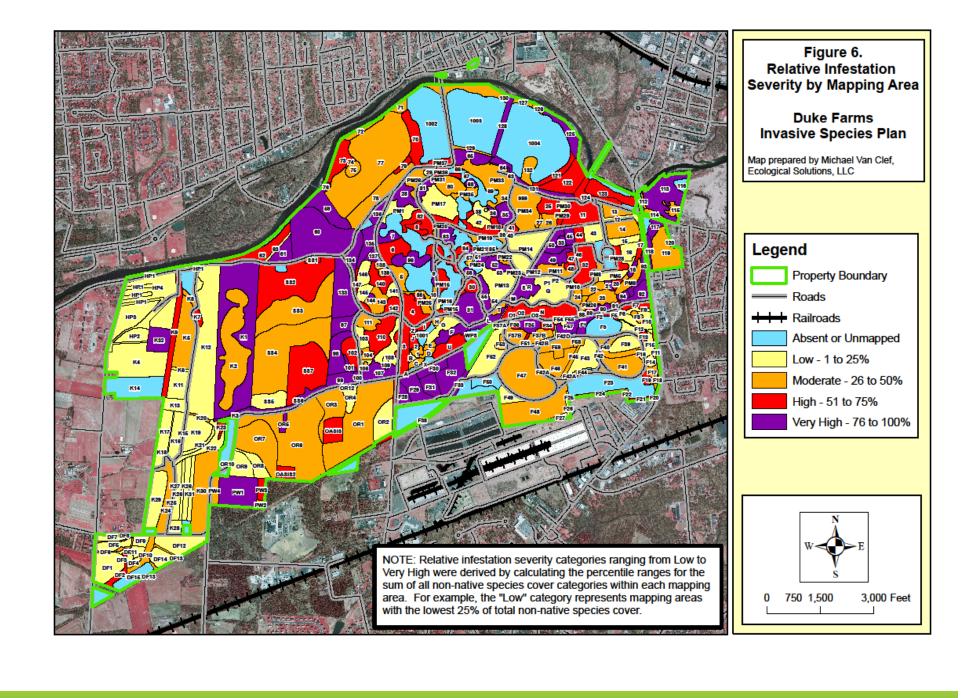
Duke Farms serves as a model of environmental stewardship and inspires visitors to become informed stewards of the land.

It is a place of education, enjoyment and research that enhances the environmental health of the region.

**Duke Farms' Mission** 







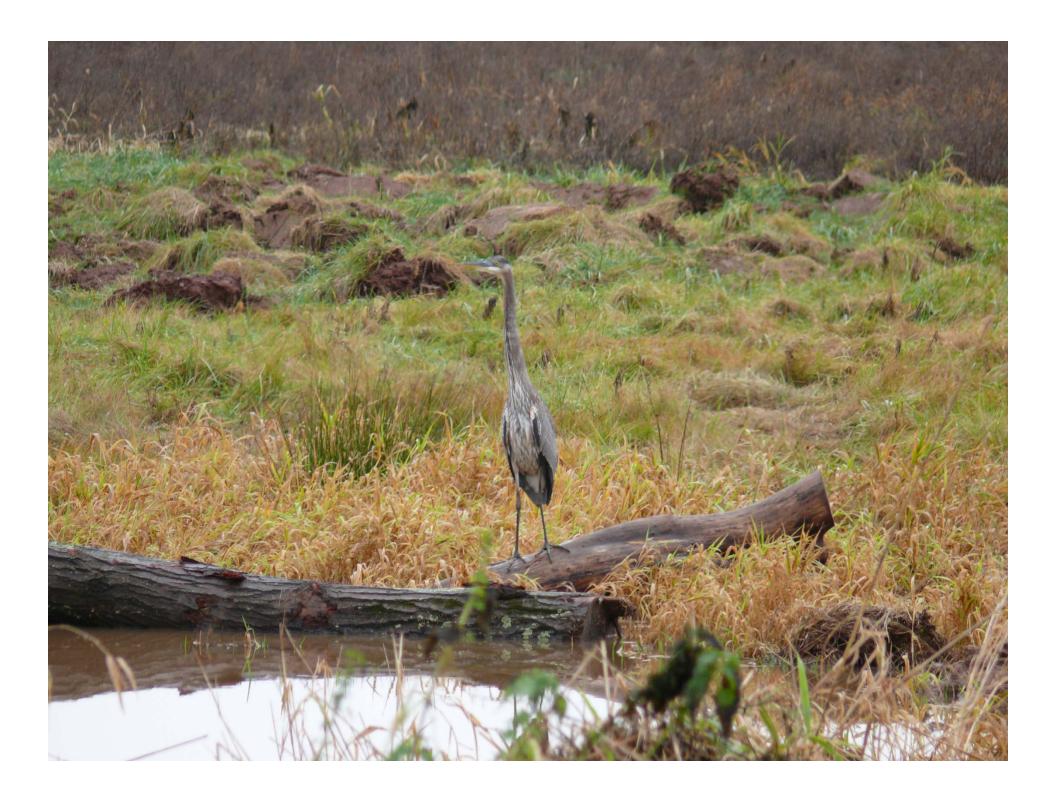












Ecology
Conserve 570 Acres of Grassland Bird Habitat Restore Stream Banks and Lake Shores Create Closed Loop for Artificial Lakes Promote Biodiversity and Native Species Restore 570 Acres of Wetlands Manage Invasive Fauna Education, Research and Volunteering



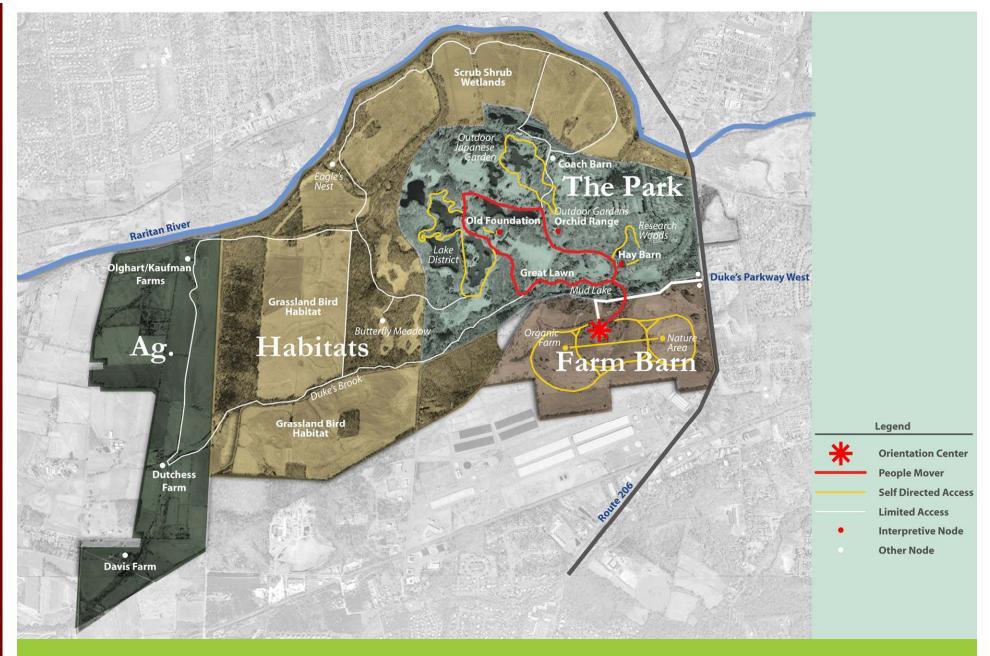
## Agriculture

Practice Organic Farming Develop a Model CSA **Tenant Farm Partners** Community Garden Plots **Organic Incubator Plots** Locally Produced Food Education, Research and Volunteering

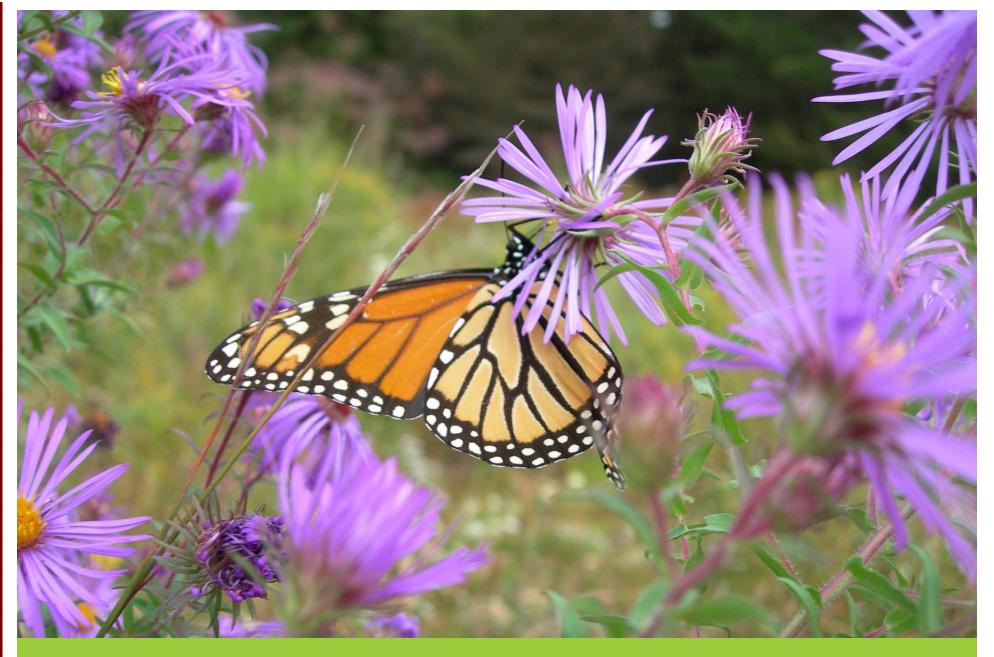
### Horticulture

Create Outdoor Gardens Adapt Indoor Greenhouses Focus on Native Species **Demonstrate Biodiversity** Control Invasive Plants Propogate Native Seed Bank Education, Research and Volunteering





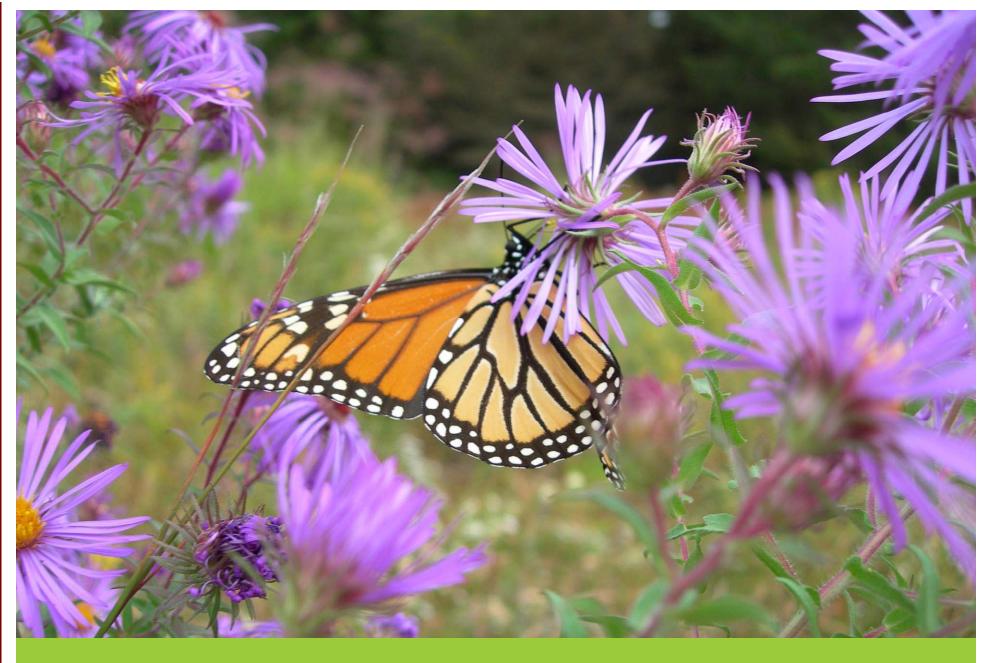
**Overall Site Plan** 



**Orchid Range – Legacy Greenhouse** 

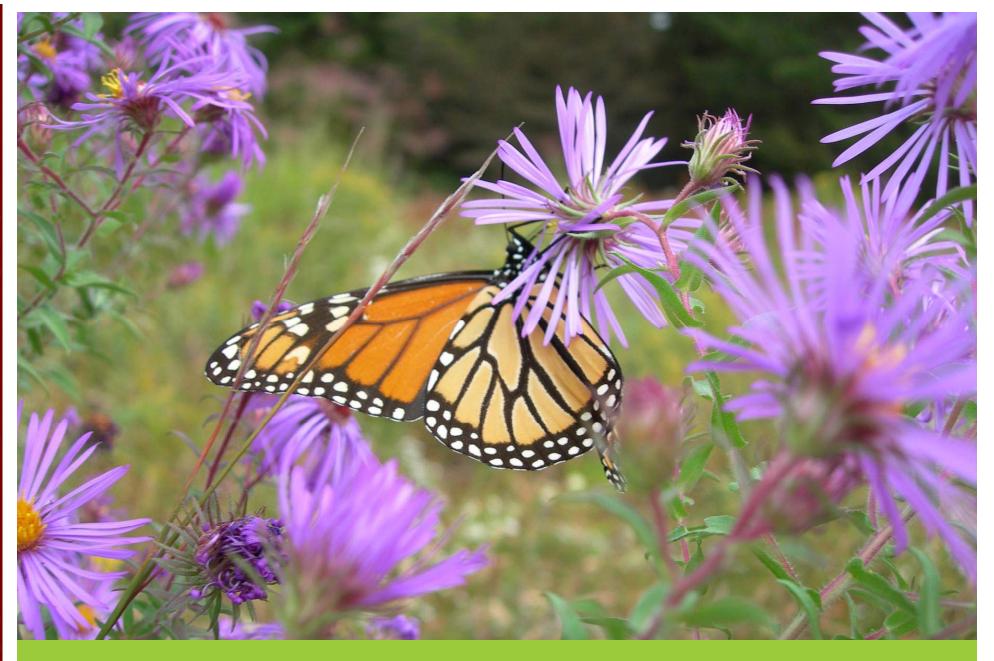






**Cottages & Tram Stop – Visitor Experience** 





Farm Barn - Orientation Center





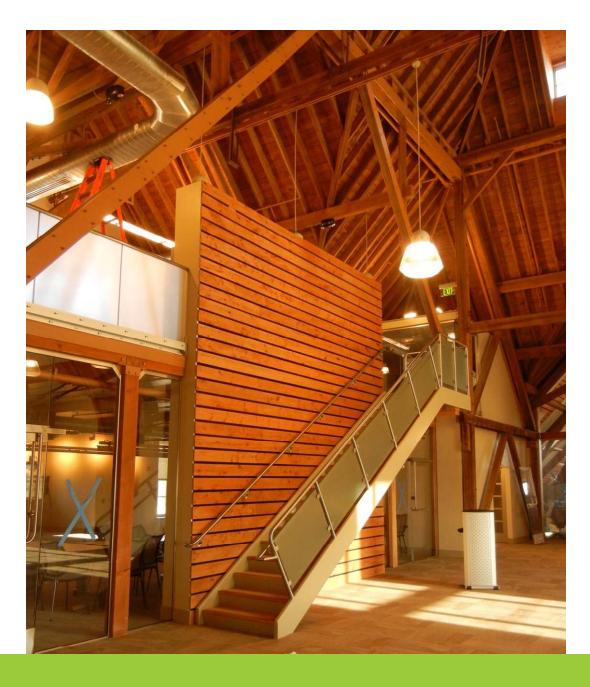




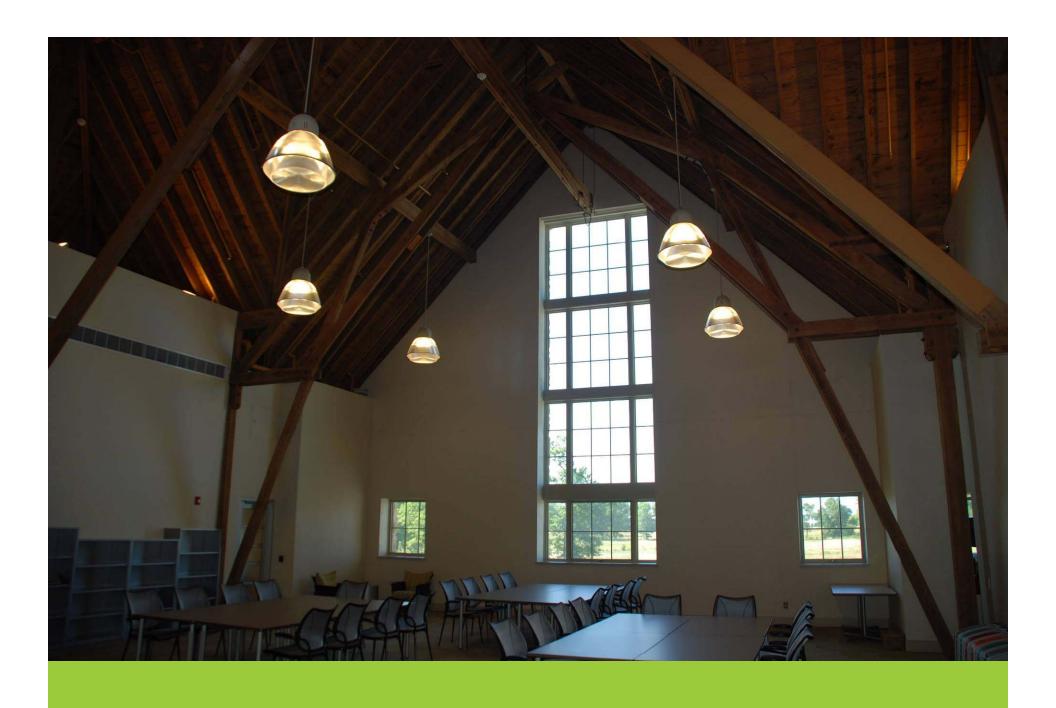




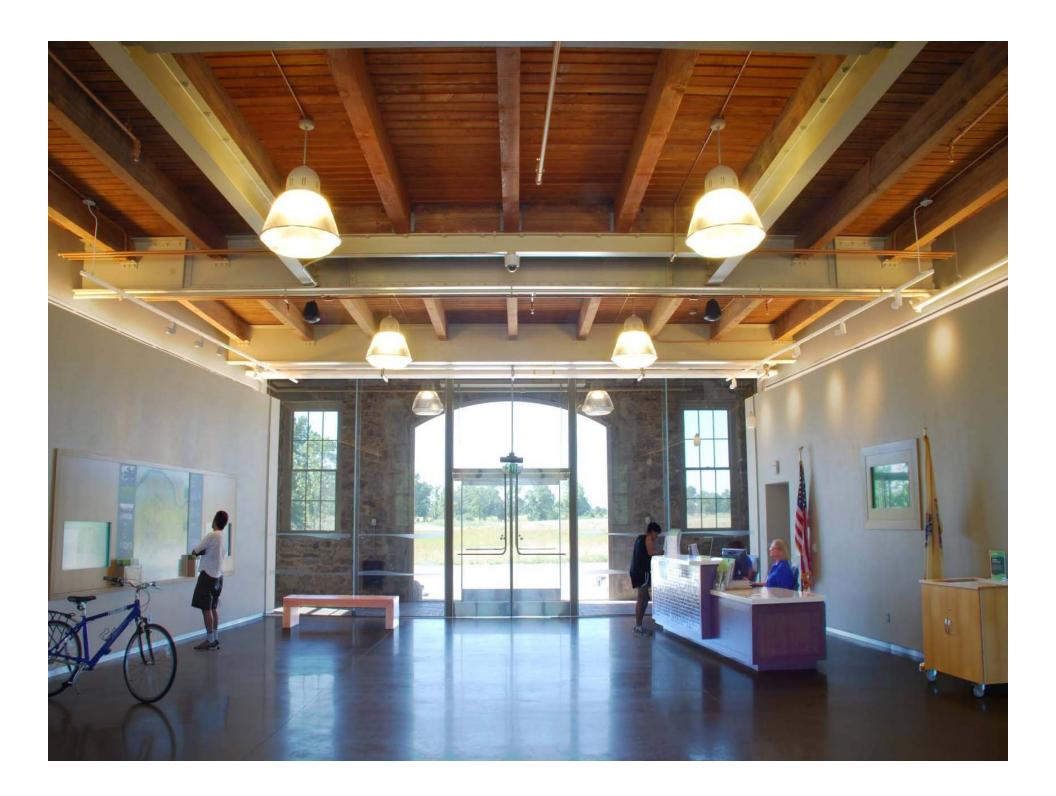


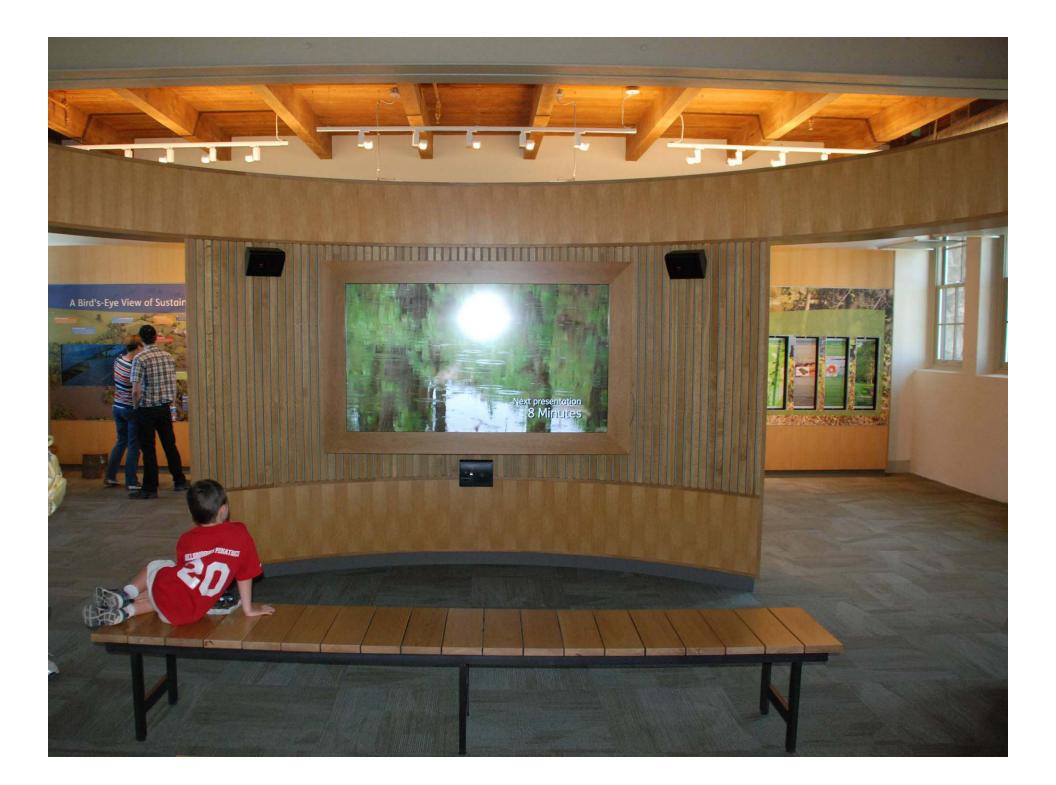










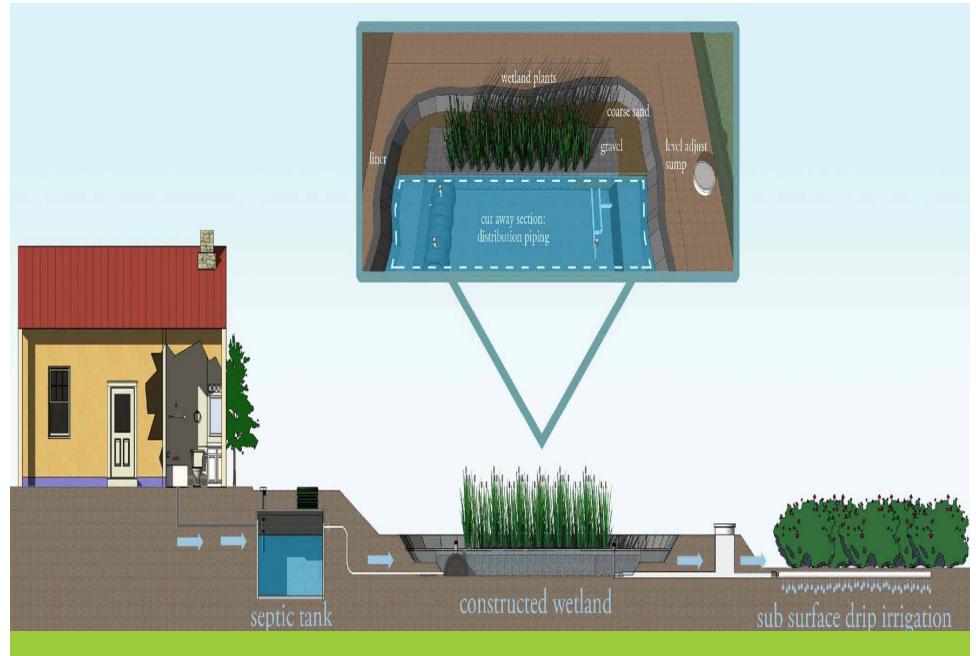






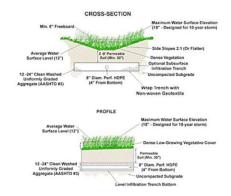


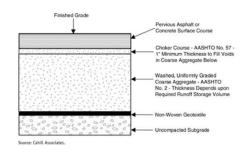
**Enter into NJ Solar Energy Rebate Program** 



**How Constructed Wetlands Work** 

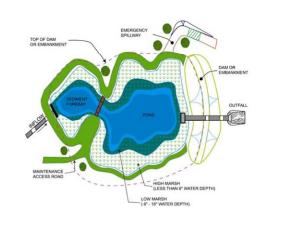




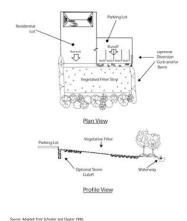


**Vegetated Swales** 

**Pervious Paving** 



**Constructed Wetlands** 



**Vegetated Filter Strips** 

**Duke Farms** 



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